

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L17	23	((route\$2 or routing or wire or wiring or interconnect\$4 or connect\$4) near5 (initial\$3 or coarse\$2 or global\$2 or rough\$2 or outlin\$3 or topological\$2) near15 (morph\$4 or transform\$6 or merg\$3 or combin\$3)) and (best or optimal\$3 or optimi\$7 or maxim\$8 or minim\$8 or shortest or fastest or least)).clm.	US-PGPUB	OR	ON	2006/04/04 16:00

Date Searched: 4/4/2006

Databases Searched: USPAT, USPGPUB

Plurals: ON

Terms Searched:

L1 (route\$2 or routing or wire or wiring or interconnect\$4 or connect\$4) near5 (initial\$3 or coarse\$2 or global\$2 or rough\$2 or outlin\$3 or topological\$2)

L2 (morph\$4 or transform\$6 or merg\$3 or combin\$3) same 1

L3 (best or optimal\$3 or optimi\$7 or maxim\$8 or minim\$8 or shortest or fastest or least) same 1

L4 2 and 3 and 716/1-18.ccls.

Results: 103 hits

L4 (route or routing or wire or wiring or interconnect\$4 or connect\$4 or conductor or path) same (set or solution) same net

L5 716/1-18.ccls. and 4

Results: 1070 hits

L6 (route or path) same (net or netlist\$3 or interconnect\$4 or connect\$4 or wire or wiring)

L7 (best or optimal\$3 or optimi\$7 or maxim\$8 or minim\$8 or shortest or fastest or least) near5 (cost or metric or constrain\$4 or fitness or weigh\$3 or time or delay or timing or skew or length or power or congest\$4 or dense or density or area or netlength or wirelength)

L8 (route or routing or wire or wiring or interconnect\$4 or connect\$4) near15 (initial\$3 or coarse or beginning or original or first)

L9 (7 same 8) and 6 and 716/1-18.ccls.

L10 4 and 9 and @pd>20051207

Results: 17 hits

L11 (route\$2 or routing or wire or wiring or interconnect\$4 or connect\$4) near5 (initial\$3 or coarse or global)

L12 (7 same 11) and 6 and 716/1-18.ccls. and @pd>20051207

Results: 11 hits

L13 (threshold or tolerance or ((predetermined or predefined or pre-defined or pre-determined or (user adj defined) or desired or minim\$4 or maxim\$4 or optim\$4) adj3 (value or threshold or tolerance or constrain\$3 or criterion))) and 12

Results: 6 hits

L14 (716/1-18.ccls. and (((route or routing or wire or wiring or interconnect\$4 or connect\$4 or conductor) same (cost or metric or fitness or weigh\$4)) same (threshold or tolerance or ((predetermined or predefined or pre-defined or pre-determined or (user adj defined) or desired or minim\$4 or maxim\$4 or optim\$4) adj3 (value or threshold or tolerance or constrain\$3 or criterion))) and (((route or routing or wire or wiring or interconnect\$4 or connect\$4 or conductor) same (cost or metric or fitness or weigh\$4)) same length) and @pd>"20051207"

Results: 6 hits

US 7013450 B2	USPAT Teig; Steven et al.	716/13
US 7010767 B2	USPAT Elassaad; Shauki et al.	716/6
US 6532583 B1	USPAT Shibuya; Toshiyuki	716/13
US 6308302 B1	USPAT Hathaway; David James et al.	716/5
US 5943486 A	USPAT Fukui; Masahiro et al.	716/9
US 5566078 A	USPAT Ding; Cheng-Liang et al.	716/8
US 5361214 A	USPAT Aoki; Takahiro	716/13
US 4903214 A	USPAT Hiwatashi; Tamotsu	716/14
US 20060053396 A1	US-PGPUB Eng; Tommy K.	716/7

Databases Searched: USPAT, USPGPUB

Plurals: ON

Terms Searched:

L1 (route\$2 or routing or wire or wiring or interconnect\$4 or connect\$4) near5 (initial\$3 or coarse\$2 or global\$2 or rough\$2 or outlin\$3 or topological\$2)

L2 (morph\$4 or transform\$6 or merg\$3 or combin\$3) same 18

L3 (best or optimal\$3 or optimi\$7 or maxim\$8 or minim\$8 or shortest or fastest or least) same 18

L4 2 and 3

Results: 86 hits

L5 4 and g06f017\$.ipc.

Results: 4 hits

L6 (IBM TDB only) 2 and 3

Results: 31 hits

NB9001129

IBM_TDB

NA80013452

IBM_TDB

Database Searched: IEE/IEEE Xplore

Terms Searched: ((route*or routing or wire or wiring or interconnect* or connect*) <near/5> (initial* or coarse* or global* or rough* or outlin* or topological*)) and (morph* or transform* or merg* or combin*) and (best or optimal* or optimi* or maxim* or minim* or shortest or fastest or least)

Results: Your search matched **93** of **1335860** documents

****Interference Search****

Database Searched: USPGPUB

Plurals: ON

Terms Searched:

L1 (((route\$2 or routing or wire or wiring or interconnect\$4 or connect\$4) near5 (initial\$3 or coarse\$2 or global\$2 or rough\$2 or outlin\$3 or topological\$2) near15 (morph\$4 or transform\$6 or merg\$3 or combin\$3)) and (best or optimal\$3 or optimi\$7 or maxim\$8 or minim\$8 or shortest or fastest or least)).clm.

Results: 23 hits

Date Searched: 12/7/2005

Databases Searched: USPAT, USPGPUB

Plurals: ON

Terms Searched:

L1 (route or routing or wire or wiring or interconnect\$4 or connect\$4 or conductor or path) same (set or solution) same net

L2 716/1-18.ccls. and 1

Results: 1070 hits

L3 (route or path) same (net or netlist\$3 or interconnect\$4 or connect\$4 or wire or wiring)

L4 (best or optimal\$3 or optimi\$7 or maxim\$8 or minim\$8 or shortest or fastest or least) near5 (cost or metric or constrain\$4 or fitness or weigh\$3 or time or delay or timing or skew or length or power or congest\$4 or dense or density or area or netlength or wirelength)

L5 (route or routing or wire or wiring or interconnect\$4 or connect\$4) near15 (initial\$3 or coarse or beginning or original or first)

L6 (4 same 5) and 3 and 716/1-18.ccls.

Results: 679 hits

L7 1 and 6

Results: 271 hits

L8 (route\$2 or routing or wire or wiring or interconnect\$4 or connect\$4) near5 (initial\$3 or coarse

or global)

L9 (4 same 8) and 3 and 716/1-18.ccls.

Results: 131 hits

L10 1 and 9

Results: 262 hits

L11 (cost or metric or fitness or weigh\$3) same (length or netlength or wirelength)

L12 10 and 11

Results: 111 hits

L13 (threshold or tolerance or ((predetermined or predefined or pre-defined or pre-determined or (user adj defined) or desired or minim\$4 or maxim\$4 or optim\$4) adj3 (value or threshold or tolerance or constrain\$3 or criterion))) and 12

Results: 84 hits

L14 (716/1-18.ccls. and (((route or routing or wire or wiring or interconnect\$4 or connect\$4 or conductor) same (cost or metric or fitness or weigh\$4)) same (threshold or tolerance or ((predetermined or predefined or pre-defined or pre-determined or (user adj defined) or desired or minim\$4 or maxim\$4 or optim\$4) adj3 (value or threshold or tolerance or constrain\$3 or criterion))))) and (((route or routing or wire or wiring or interconnect\$4 or connect\$4 or conductor) same (cost or metric or fitness or weigh\$4)) same length) and @pd>"20050531"

Results: 16 hits

US 20010010090 A1	US-PGPUB	Boyle, Douglas B. et al.	716/2
US 6889372 B1	USPAT	Teig; Steven et al.	716/14
US 6353918 B1	USPAT	Carothers; Jo Dale et al.	716/8
US 4831725 A	USPAT	Dunham; Bradford et al.	29/847

US 20020184607 A1	US-PGPUB	Alpert, Charles Jay et al.	716/15
US 6671859 B1	USPAT	Naylor; William C. et al.	716/2
US 6557145 B2	USPAT	Boyle; Douglas B. et al.	716/2
US 6477690 B1	USPAT	Witte; Jeffrey P et al.	716/12
US 6415427 B2	USPAT	Nitta; Izumi et al.	716/10
US 6408426 B1	USPAT	Josephson; Jon Eric et al.	716/12
US 6308302 B1	USPAT	Hathaway; David James et al.	716/5
US 5673201 A	USPAT	Malm; Richard LaVerne et al.	716/12

US 6622291 B1	USPAT	Ginetti; Arnold	716/9
US 6209123 B1	USPAT	Maziasz; Robert L. et al.	716/14

Databases Searched: EPO, JPO, IBM TDB, Derwent

Plurals: ON

Terms Searched:

L1 (route\$2 or routing or wire or wiring or interconnect\$4 or connect\$4) near5 (initial\$3 or coarse or global)

L2 (route or path) same (net or netlist\$3 or interconnect\$4 or connect\$4 or wire or wiring)

L3 (best or optimal\$3 or optimi\$7 or maxim\$8 or minim\$8 or shortest or fastest or least) near5 (cost or metric or constrain\$4 or fitness or weigh\$3 or time or delay or timing or skew or length or power or congest\$4 or dense or density or area or netlength or wirelength)

L4 1 and (2 same 3)

Results: 63 hits

WO 9734316 A2 A2, A3 EPO CAROTHERS, JO DALE et al.

NA9002469
NN83102625

IBM_TDB
IBM_TDB

Database Searched: IEE/IEEE Xplore

Terms Searched: ((route* or routing or wire or wiring or interconnect* or connect*) <near/5> (initial* or coarse or global)) and(route or path) and (net or netlist* or net-list* or interconnect* or connect* or wire or wiring) and ((best or optimal* or optimi* or maxim* or minim* or shortest or fastest or least) <near/5> (cost or metric or constrain* or fitness or weigh* or time or delay or timing or skew or length or power or congest* or dense or density or area or netlength or wirelength))

Results: Your search matched **94** of **1278046** documents.

Date Searched: 5/31/2005

Databases Searched: USPAT, USPGPUB

Plurals: ON

Terms Searched:

L1 (716/1-18.ccls. and (((route or routing or wire or wiring or interconnect\$4 or connect\$4 or conductor) same (cost or metric or fitness or weigh\$4)) same (threshold or tolerance' or ((predetermined or predefined or pre-defined or pre-determined or (user adj defined) or desired or minim\$4 or maxim\$4 or optim\$4) adj3 (value or threshold or tolerance or constrain\$3 or criterion))))) and (((route or routing or wire or wiring or interconnect\$4 or connect\$4 or conductor) same (cost or metric or fitness or weigh\$4)) same length) and @pd>"20041019"

Results: 13 hits

Date Searched: 10/19/2004

Databases Searched: USPAT, USPGPUB

Plurals: ON

Terms Searched:

L1 716/1-18.ccls.

L2 (route or routing or wire or wiring or interconnect\$4 or connect\$4 or conductor) same (cost or metric or fitness or weigh\$4)

L3 threshold or tolerance or ((predetermined or predefined or pre-defined or pre-determined or (user adj defined) or desired or minim\$4 or maxim\$4 or optim\$4) adj3 (value or threshold or tolerance or constrain\$3 or criterion))

L4 2 same 3

L5 1 and 4

Results: 148 hits

L6 2 same length

L7 5 and 6

Results: 91 hits

US 20010047507 A1	US-PGPUB	PILEGGI, LAWRENCE et al.	716/8
US 20030005398 A1	US-PGPUB	Cho, Jun-Dong et al.	716/8
US 20020104061 A1	US-PGPUB	Xing, Zhaoyun et al.	716/4
US 20010003843 A1	US-PGPUB	SCEPANOVIC, RANKO et al.	716/7
US 6738960 B2	USPAT	Teig, Steven et al.	716/14
US 6510544 B1	USPAT	Matsumoto, Hiroyuki et al.	716/12
US 6493863 B1	USPAT	Hamada, Masao et al.	716/18
US 6493658 B1	USPAT	Koford, James S. et al.	703/1
US 6480991 B1	USPAT	Cho, Jun-Dong et al.	716/8

US 6385760 B2	USPAT Pileggi, Lawrence et al.	716/8
US 6349403 B1	USPAT Dutta, Shiraj Robi et al.	716/12
US 6330707 B1	USPAT Shinomiya, Noriko et al.	716/14
US 6154873 A	USPAT Takahashi, Naoya	716/10
US 6122443 A	USPAT Nishikawa, Takeichiro	716/8
US 5757089 A	USPAT Ishizuka, Akio	307/147
US RE35671 E	USPAT Hartoog, Mark R.	716/12
US 5673201 A	USPAT Malm, Richard LaVerne et al.	716/12
US 5363313 A	USPAT Lee, Tsu-Chang	716/2
US 4615011 A	USPAT Linsker, Ralph	716/13
US 6305004 B1	USPAT Tellez, Gustavo et al.	716/12
US 6292929 B1	USPAT Scepanovic, Ranko et al.	716/14

Databases Searched: EPO, JPO, IBM TDB, Derwent

Plurals: ON

Terms Searched:

L1 (((route or routing or wire or wiring or interconnect\$4 or connect\$4 or conductor) same (cost or metric or fitness or weigh\$4)) same (threshold or tolerance or ((predetermined or predefined or pre-defined or pre-determined or (user adj defined) or desired or minim\$4 or maxim\$4 or optim\$4) adj3 (value or threshold or tolerance or constrain\$3 or criterion))))) and (((route or routing or wire or wiring or interconnect\$4 or connect\$4 or conductor) same (cost or metric or fitness or weigh\$4)) same length

Results: 116 hits

L2 1 and g06f\$.ipc.

Results: 7 hits

L3 (IBM TDB only) 1

Results: 59 hits

NN8407978

IBM_TDB

Databases Searched: IEE/IEEE Xplore

Terms Searched: (route or routing or wire or wiring or interconnect* or connect* or conductor) and (cost or metric or fitness or weigh*) and (threshold or tolerance or ((predetermined or predefined or pre-defined or pre-determined or (user <near/1> defined) or desired or minim* or maxim* or optim*) <near/3> (value or threshold or tolerance or constrain* or criterion)))) and length

Results: Your search matched **45** of **1082760** documents.